SOLARIS®

Multi-Technology Air Purifier

Active Photocatalytic TiO$_2$ +
Silver/Zinc Ion Oxidation

4XNP Plasma Generation

Germicidal UV Light

Eliminates Odors

Kills Germs

Allergen Reduction

Stops Bio-growth

Removes Smoke

Patented Design

U.S. Patents 6,809,326B2 / 6,838,057B2
TiO2 formulation 6,429,169
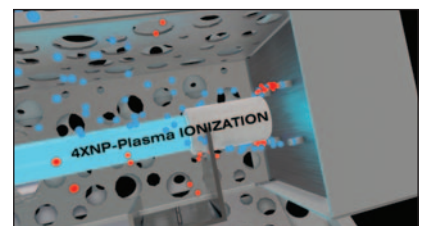
Design and technologies SLX-1024-2998

Base technology:	Active photocatalytic oxidation (PCO)
Additional technologies:	UV-C surface and air disinfection, bi-polar ionization
UV lamp:	10" Pure Spectrum lamp
Catalyst surface area:	Over 200 sq inches
Catalyst reactor length:	10.5" with twin active layers
No Ozone:	Conforms to UL 2998 (3rd Edition, July 10, 2020) clause 6.2, emittance of ozone not exceeding a concentration of 0.005 ppm.
PCO coating for odor reduction and air stream disinfection:	Proprietary and patented titanium dioxide + silver (Ag) / zinc (Zn) PCO coating. Silver ions reduce pathogens in the air and on surfaces.
PCO adjustability:	Yes, with a 4" adjustment range, never limits UV disinfection levels.
Electronics /Lamp Monitoring:	Electronic lamp operation monitor with end of lamp-life notification
Ionization for particulate reduction and surface disinfection:	4 needlepoint electrode, plasma ion generator (4XNP)
Expandability:	Yes, unit powers an optional remote UV lamp or additional PCO module.
System Warranty: UV Lamp Warranty:	Lifetime 2 years

Easy Installation

4" PCO Exclusive Adjustment

4XNP-Plasma IONIZATION

4-pin Plasma Ion Generator

Learn more at SolarisIAQ.com

Lifetime Warranty
With 2-year UV Lamp Warranty
(see owner's manual for complete details)

Ozone Free
Conforms to UL 2998
(3rd Edition, July 10, 2020) clause 6.2,
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UltraVation®
Better Air | Better Water | Better Living™

Active PCO TiO₂ + Silver/Zinc Ion Oxidation / 4XNP Plasma Generation / Germicidal UV Light

Specialized and Proprietary Photocatalytic (PCO) Formulation

- The purifier PCO surfaces are coated with a proprietary formulation of Peroxo-Antanse Titanium Dioxide (TiO₂) that is "energized" by UV light.

- The TiO₂ PCO formulation is additionally infused with silver and zinc ion technology that reduces bacteria in the air and on surfaces.

Industry leading photocatalytic surface area

- There are over 200 square inches of Active PCO purification surface — more than any other active PCO whole house purifier in its class.
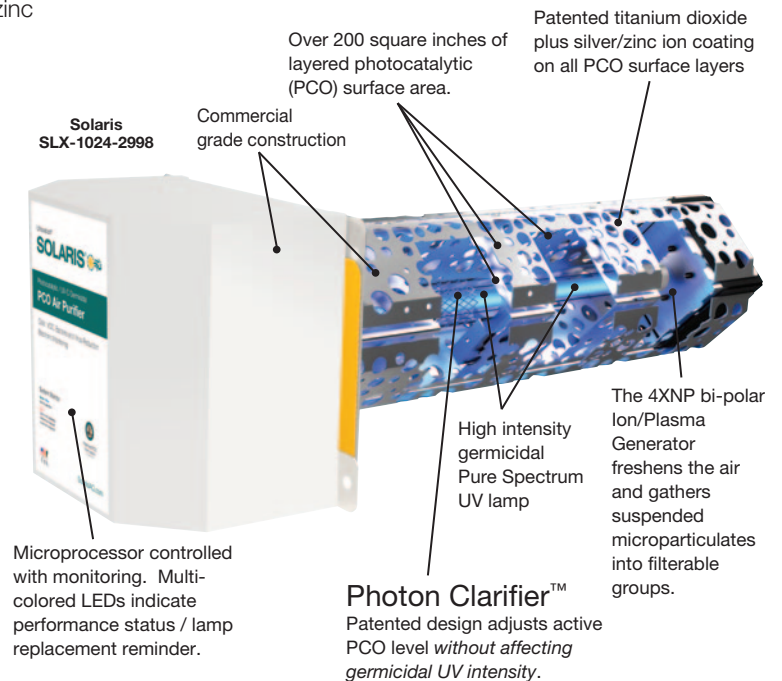
Patented Adjustability

- The unique **Photon Clarifier** has been awarded patents for its *independent photocatalytic (PCO) control.* Exceeding other designs, the PCO purification levels adjust for spaces up to 3,300 square feet *without affecting germicidal UV intensity.* Full disinfection power is always maintained!

Nanotechnology

- Solaris works at the *molecular level*, releasing ions (harmless to humans) into living spaces to electrically charge and group suspended microscopic particles and disinfect surfaces.

Pure Spectrum UV light kills airborne bacteria and viruses

- UV light is a proven technology for disinfection. It penetrates organism membranes and breaks up its DNA. Microbes are exposed to a lethal dose of UV-C light as they pass near and through the purifier.

Solaris SLX-1024-2998

Over 200 square inches of layered photocatalytic (PCO) surface area.

Patented titanium dioxide plus silver/zinc ion coating on all PCO surface layers

Commercial grade construction

High intensity germicidal Pure Spectrum UV lamp

The 4XNP bi-polar Ion/Plasma Generator freshens the air and gathers suspended microparticulates into filterable groups.

Microprocessor controlled with monitoring. Multi-colored LEDs indicate performance status / lamp replacement reminder.

Photon Clarifier™
Patented design adjusts active PCO level *without affecting germicidal UV intensity*.

Solaris SLX-1024-2998 Specifications

Model	Operating Range	Electrical	Voltage Source Range
SLX-1024-2998	Up to 3300 sq ft Adjustable up to 5 ton/2000CFM	24VAC 23VA	24 to 240 VAC (Multi-tap transformer)
SLX-AAL-PCO-2998	Optional 2nd PCO module intensifies purification		

Dimensions

Overall Depth	PCO Module	Power Module
14.625"	4.125"w x 4.125"h x 10.5"d	7.25"w x 5.625"h x 4"d

Included accessories: Transformer, duct board plate
UV lamp replacement: AS-IH-1013-1

UV Light Upgrade

Need a UV-C light on the coil? Save time and expense by adding an optional germicidal UV light for HVAC interior surface disinfection. **The UV lamp is powered directly by the SLX-1024 air purifier**. The kit includes a high intensity Ultravation® **T3**™ UV-C lamp, quick connector and hardware.

Ultravation® T3™ Technology

T3
Up to 27,000 hours High Intensity UV-C Disinfection

6 ft. connecting cable

Quick Connector for connection to Solaris

Model	Description
SLX-AAL-12	12" Ultravation T3 lamp
SLX-AAL-14	14" Ultravation T3 lamp
SLX-AAL-17	17" Ultravation T3 lamp

Included features

UV shield   6 ft. cable   Quick Connector   internal / external mount   bracket and magnet

made in VT USA

Designed and manufactured by
Ultravation, Inc. • Ultravation.com
EPA establishment number: 074725-VT-001

UltraVation®
Better Air | Better Water | Better Living™

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